
Subject: Integration qoint

Posted by [Gompie](#) on Sun, 12 Aug 2012 17:42:57 GMT

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Hi

Can anyone help. I am using qoint1d to integrate but i get
"Program caused arithmetic error: Floating overflow:"

The code is

C1 = 1.1910427E-12

c2=1.43883

T=300

c=c1*(c2^(-4))*T^4

llimit=c2*2380/T

ulimit=c2*2940/T

print,"X=",llimit,ulimit

lin= c*qoint1d('x^3/(EXP(X)-1)', llimit, +inf, /expr)

rin=c*qoint1d('x^3/(EXP(X)-1)', ulimit, +inf, /expr)

print,abs(lin-rin)

end

This outputs a number (i am not sure if it is correct) but it also says floating point error.

Thanks in advance

Gompie
